

(19)



Europäisches Patentamt
European Patent Office
Office européen des brevets



(11)

EP 0 937 442 A2

(12)

EUROPEAN PATENT APPLICATION

(43) Date of publication:

25.08.1999 Bulletin 1999/34

(51) Int Cl.⁶: **A61F 2/06**

(21) Application number: **99301281.4**

(22) Date of filing: **23.02.1999**

(84) Designated Contracting States:

**AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU
MC NL PT SE**

Designated Extension States:

AL LT LV MK RO SI

(30) Priority: **24.02.1998 US 28383**

(71) Applicant: **Cordis Corporation**

Miami Lakes Florida 33014 (US)

(72) Inventor: **Hojelbane, Hikmat**

Princeton, New Jersey 08540 (US)

(74) Representative: **Fisher, Adrian John**

CARPMAELS & RANSFORD

43 Bloomsbury Square

London WC1A 2RA (GB)

(54) **Bifurcated axially flexible stent**

(57) A stent with axial flexibility, in a preferred embodiment, has a longitudinal axis and comprises a plurality of longitudinally disposed bands, wherein each band defines a generally continuous wave along a line segment parallel to the longitudinal axis. A plurality of

links maintains the bands in a tubular structure. In a further embodiment of the invention, each longitudinally disposed band of the stent is connected, at a plurality of periodic locations, by a short circumferential link to an adjacent band. Further, a pair of bifurcated stents is disclosed.

EP 0 937 442 A2